

L Number	Hits	Search Text	DB	Time stamp
-	1	5002550.pn.	USPAT	2004/02/17 11:32
-	4	("4006747"   "4235238"   "4586502"   "4669473").PN.	USPAT	2004/02/17 11:30
-	93	5002550.URPN.	USPAT	2004/02/17 11:32
-	25	5002550.URPN. and arcuat\$4	USPAT	2004/02/17 11:32
-	18	("3791380"   "4632101"   "4898156"   "4946468"   "4968315"   "5002550"   "5007910"   "5041116"   "5046513"   "5057103"   "5192303"   "5207679"   "5217486"   "5324292"   "5356413"   "5534004"   "5578035"   "5591168").PN.	USPAT	2004/02/17 11:44
-	10	5976139.URPN.	USPAT	2004/02/17 11:50
-	583	606/148.ccls.	USPAT	2004/02/17 11:54
-	463	606/148.ccls. and (hole or opening)	USPAT	2004/02/17 14:20
-	28	("3513848"   "4662068"   "4750492"   "4935028"   "5306280"   "5366480"   "5376126"   "5383905"   "5593425"   "5630824"   "5643295"   "5645553"   "5665109"   "5669917"   "5690654"   "5690655"   "5720747"   "5725556"   "5769894"   "5810853"   "5845645"   "5906625"   "5964765"   "6010525"   "6106545"   "6159234"   "6368343"   "6409743").PN.	USPAT	2004/02/17 11:59
-	21	("3513848"   "4662068"   "4750492"   "4935028"   "5306280"   "5366480"   "5376126"   "5383905"   "5593425"   "5630824"   "5643295"   "5645553"   "5665109"   "5669917"   "5690654"   "5690655"   "5720747"   "5725556"   "5769894"   "5810853"   "5845645").PN.	USPAT	2004/02/17 12:08
-	28	("3513848"   "4662068"   "4750492"   "4935028"   "5306280"   "5366480"   "5376126"   "5383905"   "5593425"   "5630824"   "5643295"   "5645553"   "5665109"   "5669917"   "5690654"   "5690655"   "5720747"   "5725556"   "5769894"   "5810853"   "5845645"   "5906625"   "5964765"   "6010525"   "6106545"   "6159234"   "6368343"   "6409743").PN.	USPAT	2004/02/17 13:54
-	22	("0818983"   "2058318"   "2264185"   "2940247"   "3625220"   "3648705"   "3664345"   "3802438"   "3825007"   "3845772"   "3885570"   "3910281"   "4034850"   "4164046"   "4210148"   "4405324"   "4496446"   "4549545"   "4741330"   "4823794"   "4935019"   "5009663").PN.	USPAT	2004/02/17 13:56
-	30	5366480.URPN.	USPAT	2004/02/17 13:58
-	30	5366480.URPN.	USPAT	2004/02/17 14:03
-	22	("0818983"   "2058318"   "2264185"   "2940247"   "3625220"   "3648705"   "3664345"   "3802438"   "3825007"   "3845772"   "3885570"   "3910281"   "4034850"   "4164046"   "4210148"   "4405324"   "4496446"   "4549545"   "4741330"   "4823794"   "4935019"   "5009663").PN.	USPAT	2004/02/17 14:03

-	27	("3513848"   "4662068"   "4750492"   "4935028"   "5306280"   "5366480"   "5376126"   "5383905"   "5527341"   "5593425"   "5630824"   "5643295"   "5645553"   "5665109"   "5669917"   "5690654"   "5720747"   "5725556"   "5735875"   "5735877"   "5769894"   "5810849"   "5810853"   "5845645"   "5921986"   "5951590"   "6045551") .PN.	USPAT	2004/02/17 14:04
-	0	6468293.URPN.	USPAT	2004/02/17 14:06
-	16	("2199025"   "3739773"   "3931821"   "3976079"   "4210148"   "4512038"   "4609551"   "4789732"   "4823794"   "4882149"   "4905680"   "4968317"   "4990161"   "5013292"   "5219359"   "5366480") .PN.	USPAT	2004/02/17 14:07
-	34	5527341.URPN.	USPAT	2004/02/17 14:08
-	34	5527341.URPN.	USPAT	2004/02/17 14:11
-	3	("3695271"   "4667675"   "5527341") .PN.	USPAT	2004/02/17 14:12
-	1	6241749.URPN.	USPAT	2004/02/17 14:12

-	182	(5002550.URPN. and arcuat\$4) or (("3791380"   "4632101"   "4898156"   "4946468"   "4968315"   "5002550"   "5007910"   "5041116"   "5046513"   "5057103"   "5192303"   "5207679"   "5217486"   "5324292"   "5356413"   "5534004"   "5578035"   "5591168").PN.) or 5976139.URPN. or ("3513848"   "4662068"   "4750492"   "4935028"   "5306280"   "5366480"   "5376126"   "5383905"   "5593425"   "5630824"   "5643295"   "5645553"   "5665109"   "5669917"   "5690654"   "5690655"   "5720747"   "5725556"   "5769894"   "5810853"   "5845645"   "5906625"   "5964765"   "6010525"   "6106545"   "6159234"   "6368343"   "6409743").PN.) or ("3513848"   "4662068"   "4750492"   "4935028"   "5306280"   "5366480"   "5376126"   "5383905"   "5593425"   "5630824"   "5643295"   "5645553"   "5665109"   "5669917"   "5690654"   "5690655"   "5720747"   "5725556"   "5769894"   "5810853"   "5845645").PN.) or ("3513848"   "4662068"   "4750492"   "4935028"   "5306280"   "5366480"   "5376126"   "5383905"   "5593425"   "5630824"   "5643295"   "5645553"   "5665109"   "5669917"   "5690654"   "5690655"   "5720747"   "5725556"   "5769894"   "5810853"   "5845645"   "5906625"   "5964765"   "6010525"   "6106545"   "6159234"   "6368343"   "6409743").PN.) or ("0818983"   "2058318"   "2264185"   "2940247"   "3625220"   "3648705"   "3664345"   "3802438"   "3825007"   "3845772"   "3885570"   "3910281"   "4034850"   "4164046"   "4210148"   "4405324"   "4496446"   "4549545"   "4741330"   "4823794"   "4935019"   "5009663").PN.) or 5366480.URPN. or 5366480.URPN. or (("0818983"   "2058318"   "2264185"   "2940247"   "3625220"   "3648705"   "3664345"   "3802438"   "3825007"   "3845772"   "3885570"   "3910281"   "4034850"   "4164046"   "4210148"   "4405324"   "4496446"   "4549545"   "4741330"   "4823794"   "4935019"   "5009663").PN.) or ("3513848"   "4662068"   "4750492"   "4935028"   "5306280"   "5366480"   "5376126"   "5383905"   "5527341"   "5593425"   "5630824"   "5643295"   "5645553"   "5665109"   "5669917"   "5690654"   "5720747"   "5725556"   "5735875"   "5735877"   "5769894"   "5810849"   "5810853"   "5845645"   "5921986"   "5951590"   "6045551").PN.) or (("2199025"   "3739773"   "3931821"   "3976079"   "4210148"   "4512038"   "4609551"   "4789732"   "4823794"   "4882149"   "4905680"   "4968317"   "4990161"   "5013292"   "5219359"   "5366480").PN.) or 5527341.URPN. or (("3695271"   "4667675"   "5527341").PN.) or 6241749.URPN.	USPAT	2004/02/17 14:14
-	257	112/169.ccls.	USPAT	2004/02/17 14:19
-	1	"20020099270"	USPAT; US-PGPUB	2004/02/18 10:43

-	1	6190396.pn.	USPAT	2004/02/17 15:44
-	122	("0312408"   "D372310"   "0659422"   "2397823"   "2646045"   "2959172"   "3104666"   "3470875"   "3653388"   "3665926"   "3776237"   "3820544"   "3926194"   "3939820"   "4018228"   "4109658"   "4161951"   "4168073"   "4216776"   "4235177"   "4317445"   "4411654"   "4412832"   "4437465"   "4493323"   "4553543"   "4587969"   "4596559"   "4629450"   "4738666"   "4744364"   "4836205"   "4852568"   "4890612"   "4898155"   "4911164"   "4926860"   "4929246"   "4935027"   "4957498"   "4983168"   "4984581"   "5002563"   "5009643"   "5021059"   "5037433"   "5047039"   "5059201"   "5061274"   "5100419"   "5100432"   "5109780"   "5129913"   "5147373"   "5160339"   "5171251"   "5192294"   "5192302"   "5219358"   "5222974"   "5234443"   "5242427"   "5250033"   "5250053"   "5254126"   "5258003"   "5279311"   "5289963"   "5290284"   "5290297"   "5293881"   "5295993"   "5300085"   "5304184"   "5304185"   "5306254"   "5320632"   "5336230"   "5336231"   "5342369"   "5364408"   "5368601"   "5374275"   "5387221"   "5387227"   "5395349"   "5397325"   "5403329"   "5403338"   "5411481"   "5417699"   "5425705"   "5431666"   "5433700"   "5452733"   "5454834"   "5458574"   "5476469"   "5478309"   "5486190"   "5489295"   "5496332"   "5507744"   "5507755"   "5507757"   "5509902"   "5520665"   "5527322"   "5540704"   "5545171"   "5545178"   "5545180"   "5554162"   "5562686"   "5562728"   "5573540"   "5591179"   "5591206"   "5611794"   "5613975"   "5836956"   "5846253") .PN.	USPAT	2004/02/17 15:44

-	10	(("0312408"   "D372310"   "0659422"   "2397823"   "2646045"   "2959172"   "3104666"   "3470875"   "3653388"   "3665926"   "3776237"   "3820544"   "3926194"   "3939820"   "4018228"   "4109658"   "4161951"   "4168073"   "4216776"   "4235177"   "4317445"   "4411654"   "4412832"   "4437465"   "4493323"   "4553543"   "4587969"   "4596559"   "4629450"   "4738666"   "4744364"   "4836205"   "4852568"   "4890612"   "4898155"   "4911164"   "4926860"   "4929246"   "4935027"   "4957498"   "4983168"   "4984581"   "5002563"   "5009643"   "5021059"   "5037433"   "5047039"   "5059201"   "5061274"   "5100419"   "5100432"   "5109780"   "5129913"   "5147373"   "5160339"   "5171251"   "5192294"   "5192302"   "5219358"   "5222974"   "5234443"   "5242427"   "5250033"   "5250053"   "5254126"   "5258003"   "5279311"   "5289963"   "5290284"   "5290297"   "5293881"   "5295993"   "5300085"   "5304184"   "5304185"   "5306254"   "5320632"   "5336230"   "5336231"   "5342369"   "5364408"   "5368601"   "5374275"   "5387221"   "5387227"   "5395349"   "5397325"   "5403329"   "5403338"   "5411481"   "5417699"   "5425705"   "5431666"   "5433700"   "5452733"   "5454834"   "5458574"   "5476469"   "5478309"   "5486190"   "5489295"   "5496332"   "5507744"   "5507755"   "5507757"   "5509902"   "5520665"   "5527322"   "5540704"   "5545171"   "5545178"   "5545180"   "5554162"   "5562686"   "5562728"   "5573540"   "5591179"   "5591206"   "5611794"   "5613975"   "5836956"   "5846253").PN.) and "needle guide" 6190396.URPN.	USPAT	2004/02/17 15:44
-	13		USPAT	2004/02/17 15:45

-	122	( "0312408" "2397823" "3104666" "3665926" "3926194" "4109658" "4216776" "4411654" "4493323" "4596559" "4744364" "4890612" "4926860" "4957498" "5002563" "5037433" "5061274" "5109780" "5160339" "5192302" "5234443" "5250053" "5279311" "5290297" "5300085" "5306254" "5336231" "5368601" "5387227" "5403329" "5417699" "5433700" "5458574" "5486190" "5507744" "5509902" "5540704" "5545180" "5562728" "5591206" "5836956" "0659422" "D372310" "2646045" "3470875" "3776237" "3939820" "4161951" "4235177" "4412832" "4553543" "4629450" "4836205" "4898155" "4929246" "4983168" "5009643" "5047039" "5100419" "5129913" "5171251" "5219358" "5242427" "5254126" "5289963" "5293881" "5304184" "5320632" "5342369" "5374275" "5395349" "5403338" "5425705" "5452733" "5476469" "5489295" "5507755" "5520665" "5545171" "5554162" "5573540" "5611794" "5846253") .PN.	USPAT	2004/02/17 15:48
-	536	606/144.ccls.	USPAT; US-PGPUB	2004/02/18 10:44
-	73	606/144.ccls. and "needle guide"	USPAT; US-PGPUB	2004/02/18 10:45

-	444	(606/148.ccls. and (hole or opening)) not ((5002550.URPN. and arcuat\$4) or (("3791380"   "4632101"   "4898156"   "4946468"   "4968315"   "5002550"   "5007910"   "5041116"   "5046513"   "5057103"   "5192303"   "5207679"   "5217486"   "5324292"   "5356413"   "5534004"   "5578035"   "5591168").PN.) or 5976139.URPN. or (("3513848"   "4662068"   "4750492"   "4935028"   "5306280"   "5366480"   "5376126"   "5383905"   "5593425"   "5630824"   "5643295"   "5645553"   "5665109"   "5669917"   "5690654"   "5690655"   "5720747"   "5725556"   "5769894"   "5810853"   "5845645"   "5906625"   "5964765"   "6010525"   "6106545"   "6159234"   "6368343"   "6409743").PN.) or (("3513848"   "4662068"   "4750492"   "4935028"   "5306280"   "5366480"   "5376126"   "5383905"   "5593425"   "5630824"   "5643295"   "5645553"   "5665109"   "5669917"   "5690654"   "5690655"   "5720747"   "5725556"   "5769894"   "5810853"   "5845645").PN.) or (("3513848"   "4662068"   "4750492"   "4935028"   "5306280"   "5366480"   "5376126"   "5383905"   "5593425"   "5630824"   "5643295"   "5645553"   "5665109"   "5669917"   "5690654"   "5690655"   "5720747"   "5725556"   "5769894"   "5810853"   "5845645"   "5906625"   "5964765"   "6010525"   "6106545"   "6159234"   "6368343"   "6409743").PN.) or (("0818983"   "2058318"   "2264185"   "2940247"   "3625220"   "3648705"   "3664345"   "3802438"   "3825007"   "3845772"   "3885570"   "3910281"   "4034850"   "4164046"   "4210148"   "4405324"   "4496446"   "4549545"   "4741330"   "4823794"   "4935019"   "5009663").PN.) or 5366480.URPN. or 5366480.URPN. or (("0818983"   "2058318"   "2264185"   "2940247"   "3625220"   "3648705"   "3664345"   "3802438"   "3825007"   "3845772"   "3885570"   "3910281"   "4034850"   "4164046"   "4210148"   "4405324"   "4496446"   "4549545"   "4741330"   "4823794"   "4935019"   "5009663").PN.) or (("3513848"   "4662068"   "4750492"   "4935028"   "5306280"   "5366480"   "5376126"   "5383905"   "5527341"   "5593425"   "5630824"   "5643295"   "5645553"   "5665109"   "5669917"   "5690654"   "5720747"   "5725556"   "5735875"   "5735877"   "5769894"   "5810849"   "5810853"   "5845645"   "5921986"   "5951590"   "6045551").PN.) or (("2199025"   "3739773"   "3931821"   "3976079"   "4210148"   "4512038"   "4609551"   "4789732"   "4823794"   "4882149"   "4905680"   "4968317"   "4990161"   "5013292"   "5219359"   "5366480").PN.) or 5527341.URPN. or (("3695271"   "4667675"   "5527341").PN.) or 6241749.URPN.)	USPAT	2004/02/18 10:45
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-	42	(606/144.ccls. and "needle guide") not ((606/148.ccls. and (hole or opening)) not ((5002550.URPN. and arcuat\$4) or (("3791380"   "4632101"   "4898156"   "4946468"   "4968315"   "5002550"   "5007910"   "5041116"   "5046513"   "5057103"   "5192303"   "5207679"   "5217486"   "5324292"   "5356413"   "5534004"   "5578035"   "5591168").PN.) or 5976139.URPN. or (("3513848"   "4662068"   "4750492"   "4935028"   "5306280"   "5366480"   "5376126"   "5383905"   "5593425"   "5630824"   "5643295"   "5645553"   "5665109"   "5669917"   "5690654"   "5690655"   "5720747"   "5725556"   "5769894"   "5810853"   "5845645"   "5906625"   "5964765"   "6010525"   "6106545"   "6159234"   "6368343"   "6409743").PN.) or (("3513848"   "4662068"   "4750492"   "4935028"   "5306280"   "5366480"   "5376126"   "5383905"   "5593425"   "5630824"   "5643295"   "5645553"   "5665109"   "5669917"   "5690654"   "5690655"   "5720747"   "5725556"   "5769894"   "5810853"   "5845645").PN.) or (("3513848"   "4662068"   "4750492"   "4935028"   "5306280"   "5366480"   "5376126"   "5383905"   "5593425"   "5630824"   "5643295"   "5645553"   "5665109"   "5669917"   "5690654"   "5690655"   "5720747"   "5725556"   "5769894"   "5810853"   "5845645"   "5906625"   "5964765"   "6010525"   "6106545"   "6159234"   "6368343"   "6409743").PN.) or (("0818983"   "2058318"   "2264185"   "2940247"   "3625220"   "3648705"   "3664345"   "3802438"   "3825007"   "3845772"   "3885570"   "3910281"   "4034850"   "4164046"   "4210148"   "4405324"   "4496446"   "4549545"   "4741330"   "4823794"   "4935019"   "5009663").PN.) or 5366480.URPN. or 5366480.URPN. or (("0818983"   "2058318"   "2264185"   "2940247"   "3625220"   "3648705"   "3664345"   "3802438"   "3825007"   "3845772"   "3885570"   "3910281"   "4034850"   "4164046"   "4210148"   "4405324"   "4496446"   "4549545"   "4741330"   "4823794"   "4935019"   "5009663").PN.) or (("3513848"   "4662068"   "4750492"   "4935028"   "5306280"   "5366480"   "5376126"   "5383905"   "5527341"   "5593425"   "5630824"   "5643295"   "5645553"   "5665109"   "5669917"   "5690654"   "5720747"   "5725556"   "5735875"   "5735877"   "5769894"   "5810849"   "5810853"   "5845645"   "5921986"   "5951590"   "6045551").PN.) or (("2199025"   "3739773"   "3931821"   "3976079"   "4210148"   "4512038"   "4609551"   "4789732"   "4823794"   "4882149"   "4905680"   "4968317"   "4990161"   "5013292"   "5219359"   "5366480").PN.) or 5527341.URPN. or (("3695271"   "4667675"   "5527341").PN.) or 6241749.URPN.))	USPAT	2004/02/18 10:45
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-	185	("0312408"   "0659422"   "2127903"   "2397823"   "2646045"   "2959172"   "3104666"   "3470875"   "3653388"   "3665926"   "3776237"   "3820544"   "3926194"   "3939820"   "4018228"   "4109658"   "4161951"   "4168073"   "4182339"   "4216776"   "4235177"   "4317445"   "4411654"   "4412832"   "4437465"   "4493323"   "4553543"   "4587969"   "4596559"   "4629450"   "4651733"   "4723549"   "4738666"   "4744364"   "4803984"   "4836205"   "4852568"   "4890612"   "4898155"   "4911164"   "4926860"   "4929246"   "4935027"   "4957498"   "4983168"   "4984581"   "5002563"   "5009643"   "5021059"   "5037433"   "5047039"   "5059201"   "5061274"   "5078721"   "5080664"   "5100419"   "5100432"   "5109780"   "5129913"   "5147373"   "5160339"   "5171251"   "5192294"   "5192302"   "5219358"   "5222974"   "5234443"   "5242427"   "5250033"   "5250053"   "5254126"   "5258003"   "5279311"   "5285945"   "5289963"   "5290284"   "5290297"   "5292309"   "5292332"   "5293881"   "5295993"   "5300085"   "5304184"   "5304185"   "5306254"   "5312024"   "5320632"   "5336229"   "5336230"   "5336231"   "5342369"   "5354312"   "5364408"   "5368601"   "5374275"   "5376096"   "5383896"   "5387221"   "5387227"   "5395332"   "5395349"   "5397325"   "5403329"   "5403338"   "5411481"   "5413571"   "5417699"   "5425705"   "5431666"   "5433700"   "5452733"   "5454822"   "5454834"   "5458574"   "5470338"   "5476469"   "5476470"   "5478309"   "5478353"   "5480407"   "5486190"   "5489295"   "5496332"   "5507744"   "5507755"   "5507757"   "5507758"   "5509902"   "5520665"   "5520702"   "5527321"   "5527322"   "D372310"   "5531700"   "5540701"   "5540704"   "5545171"   "5545178"   "5545180"   "5549618"   "5554162"   "5562686"   "5562688"   "5562728"   "5569271"   "5573540"   "5591179"   "5591206"   "5593421"   "5603718"   "5611794"   "5613974"   "5613975"   "5643289"   "5669917"   "5700273"   "5713910"   "5716369"   "5720757"   "5728151"   "5741276"   "5741280"   "5759188"   "5766183"   "5766186"   "5779719"   "5792151"   "5799661"   "5810850"   "5817113"   "5820631"   "5824010"   "5830125"   "5836955"   "5836956"   "5846253"   "5860990"   "5860991"   "5902311"   "5904697"   "5951590"   "5954732"   "6036699"   "6048351"   "6117144") .PN.	USPAT	2004/02/18 10:58
-	29	5860991.URPN.	USPAT	2004/02/18 10:59
-	87	5417699.URPN.	USPAT	2004/02/18 10:59
-	97	5860991.URPN. or 5417699.URPN.	USPAT	2004/02/18 11:00
-	67	(5860991.URPN. or 5417699.URPN.) and (curved or arc\$5)	USPAT	2004/02/18 11:09

-	257	112/169.ccls.	USPAT	2004/02/18 11:10
-	125	112/169.ccls. and (hole or opening)	USPAT	2004/02/18 11:10
-	23	(112/169.ccls. and (hole or opening)) and "needle guide"	USPAT	2004/02/18 11:10
-	23	112/169.ccls. and "needle guide"	USPAT	2004/02/18 11:12
-	74	289/15	USPAT	2004/02/18 11:12
-	45	289/15.ccls.	USPAT	2004/02/18 11:14
-	334	289/17.ccls.	USPAT	2004/02/18 11:14
-	331	289/17.ccls. not 289/15.ccls.	USPAT	2004/02/18 11:14
-	11	289/17.ccls. and (needle with guide)	USPAT	2004/02/18 11:15